

MINING APPLICATION  
NO. \_\_\_\_\_

Date \_\_\_\_\_

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FEB 11 1981

DIVISION OF  
OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided  
they contain the same information)

1. Name of Applicant or Company Sum Company Inc.
2. Proposed type of operation Uranium Mining - underground
3. (a) Prior Land Use(s) Uranium Mining + Drilling  
(b) Current Land Use(s) "  
(c) Possible or Prospective Future Land Use(s) Uranium Mining
4. What vegetation exists on the land proposed to be affected sparse  
tumble weeds Mostly slickrock - no grass  
(a) Types and Estimated Percent cover or density: \_\_\_\_\_  
\_\_\_\_\_
5. What is the pH range of soil before mining? sand pH  
Name of Person or Agency and method of determining pH \_\_\_\_\_  
\_\_\_\_\_
6. Site elevation above sea level 5200
7. In case of coal, oil shale, and bituminous sandstone:  
Principal seam(s) and thickness(es) \_\_\_\_\_
8. Estimated duration of mining operations \_\_\_\_\_
9. Has overburden, waste or rejected materials been classified as acid or  
alkali producing? ( ) Yes (X) No  
Does the above material being moved have any other characteristics  
affecting revegetation? no
10. Will any underground <sup>no</sup> workings or <sup>yes</sup> aquifers be encountered? (X) Yes (X) No  
Describe 1200 gal per day aquifer  
Is there an active discharge of water from abandoned deep mines on or  
crossing the land affected? ( ) Yes (X) No If yes, describe  
the quality of water being discharged. \_\_\_\_\_



11. Describe specifically a detailed procedure for:

- (a) The mining sequence *Cut (remove blow sand) Portal 250', mine uranium to completion of reserves,*
- (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades. *existing - no changes seal portal, fill in cut, no trace of mine remaining*
- (c) The procedure for site preparation including removing trees and brush. *grease wood, sparse, tumble weeds, sparse*
- (d) The method for removing and stockpiling topsoil or disturbed materials. *Blow sand - front end loader*
- (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic materials. *no alkali - All material is of the plateau - nothing foreign*
- (f) A procedure for final stabilization of disturbed materials. *materials removed placed in low places for the terracing*
- for better future use of surface users.*

GRADING AND REGRADING

Specifically describe:

- (a) Typical cross-section of regrading. *Flat terrace alongside wash*
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material. *12" blow sand by front end rubber tired loader*
- (c) What type of soil treatment will be utilized. *none*
- (d) The method of drainage control for the final regraded area. *contour of land*
- (e) Maximum grading slope. *5%*

TESTING

1. Describe method for testing stability of reclamation fill material.

Observation of existing materials and replacement of same materials  
Describe method for the testing of soil that is intended to support vegetation  
Will reuse surface soil to cover surface sites.

2. Describe any soil treatment employed as an aid to revegetation \_\_\_\_\_

Native soil

3. Describe surface preparation of areas intended to support vegetation:

Regrade to blend with natural contour and cover with stockpiled surface soil

REVEGETATION

1. Revegetation to be completed by:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Operator        | <input type="checkbox"/> Hydroseeding                       |
| <input type="checkbox"/> Soil Conservation District | <input type="checkbox"/> Aerial Seeding                     |
| <input type="checkbox"/> Private Contractor         | <input type="checkbox"/> Conventional or Rangeland Drilling |
| <input type="checkbox"/> Other (specify) _____      | <input type="checkbox"/> Broadcast and Drag                 |
|   | <input type="checkbox"/> Other _____                        |



2. Will Mulch be used? ( ) Yes (X) No

Type: \_\_\_\_\_ Rate/Acre \_\_\_\_\_ lbs.

3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
Russian Wild Rye	2 lb	sites	S	late winter / Spring
Indian rice grass	1 lb			
Four wing salt brush	1 lb			
Crested Wheat	1 lb			
Sandrop Seed	1 lb			

4. Will affected area be subject to livestock or wildlife grazing?

(X) Yes ( ) No Will vegetation protection be needed? no

5. Will irrigation be used: ( ) Yes (X) No Type \_\_\_\_\_

6. Describe maintenance procedures for revegetation if needed, until surety release is granted. Observation



STATE OF Utah

COUNTY OF Grand

I, Phyllis Cortes Sec Treas  
Seim Company, having been duly sworn  
depose and attest that all of the representations contained in the foregoing  
application are true to the best of my knowledge; that I am authorized to  
complete and file this application on behalf of the Applicant and this  
application has been executed as required by law.

Signed: Phyllis Cortes  
Sec. Treas Seim Co

Taken, subscribed and sworn to before me the undersigned authority  
in my said county, this 6th day of January, 19 81.

Notary Public: Mary Snow  
Residing in: Mont, Utah

My Commission Expires: 2-3-83

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as  
follows:

"Information relating to the location, size, or nature  
of the deposit and marked confidential by the operator,  
shall be protected as confidential information by the  
Board and the Division and not be a matter of public  
record in the absence of a written release from the  
operator, or until the mining operation has been  
terminated as provided in subsection (2) of section  
40-8-21."

Is confidential information contained herein?

YES \_\_\_\_\_ (Initial)

NO \_\_\_\_\_ (Initial)

Sections desired to be maintained as confidential information -

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



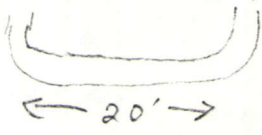
Mine  
Road

Drill Hole  
water exhaust

DIVISION OF  
OIL, GAS & MINING

cliff

↑  
140'  
↓  
Ditch



Dam 3' deep  
20' long  
7' wide

120'

Road

wash

dry wash-contributory

Dam constructed on slickrock



Alternative B

Pumping water from new mine into old mine

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